

Title (en)

Organosilicon compounds and their use in film-forming compositions

Title (de)

Organosiliciumverbindungen und deren Verwendung in filmbildenden Zusammensetzungen

Title (fr)

Composés organosiliciques et leur utilisation dans compositions filmogènes

Publication

EP 0503826 B1 19970702 (EN)

Application

EP 92301837 A 19920304

Priority

GB 9105371 A 19910314

Abstract (en)

[origin: EP0503826A1] Novel neopentasiloxane compounds of the general formula $\text{Si}[\text{OSiR}_2\text{Q}]_4$ wherein R denotes a monovalent hydrocarbon or halohydrocarbon group and Q denotes a group R or a group comprising a block of at least two oxyalkylene units and having a terminal group containing a reactive hydrogen atom, not more than one Q denoting an R group. The invention also encompasses a film-forming composition comprising a curable polyurethane resin and the neopentasiloxane, and the use of the film-forming compositions to provide breathable (water vapour permeable) coatings on textile fabrics.

IPC 1-7

C07F 7/08; **C08G 18/40**; **D06M 15/564**; **D06M 15/643**; **D06M 15/647**

IPC 8 full level

B32B 27/12 (2006.01); **C07F 7/08** (2006.01); **C07F 7/18** (2006.01); **C08G 18/83** (2006.01); **C08G 77/48** (2006.01); **C08G 77/50** (2006.01); **D06M 15/564** (2006.01); **D06M 15/643** (2006.01); **D06M 15/647** (2006.01)

CPC (source: EP KR US)

C07F 7/0838 (2013.01 - EP US); **C07F 7/18** (2013.01 - KR); **C08G 18/837** (2013.01 - EP US); **D06M 15/564** (2013.01 - EP US); **D06M 15/643** (2013.01 - EP US); **D06M 15/647** (2013.01 - EP US)

Citation (examination)

- CHEMICAL ABSTRACTS, vol. 85, 1976, Columbus, OH (US); A. AKIRA, p. 94, no. 79628x
- CHEMICAL ABSTRACTS, vol. 72, 1970, Columbus, OH (US); V.P. KUZNETSOVA et al., p. 355, no. 31897p

Cited by

EP0824102A3; AU2004279969B2; WO2005035674A3

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0503826 A1 19920916; **EP 0503826 B1 19970702**; CA 2062334 A1 19920915; CA 2062334 C 19980825; DE 69220594 D1 19970807; DE 69220594 T2 19971127; GB 9105371 D0 19910501; JP H0586198 A 19930406; KR 100215610 B1 19990816; KR 920018059 A 19921021; TW 216422 B 19931121; US 5246996 A 19930921; US 5397824 A 19950314

DOCDB simple family (application)

EP 92301837 A 19920304; CA 2062334 A 19920305; DE 69220594 T 19920304; GB 9105371 A 19910314; JP 5840092 A 19920316; KR 920004120 A 19920313; TW 81101128 A 19920217; US 5141793 A 19930423; US 84409092 A 19920302